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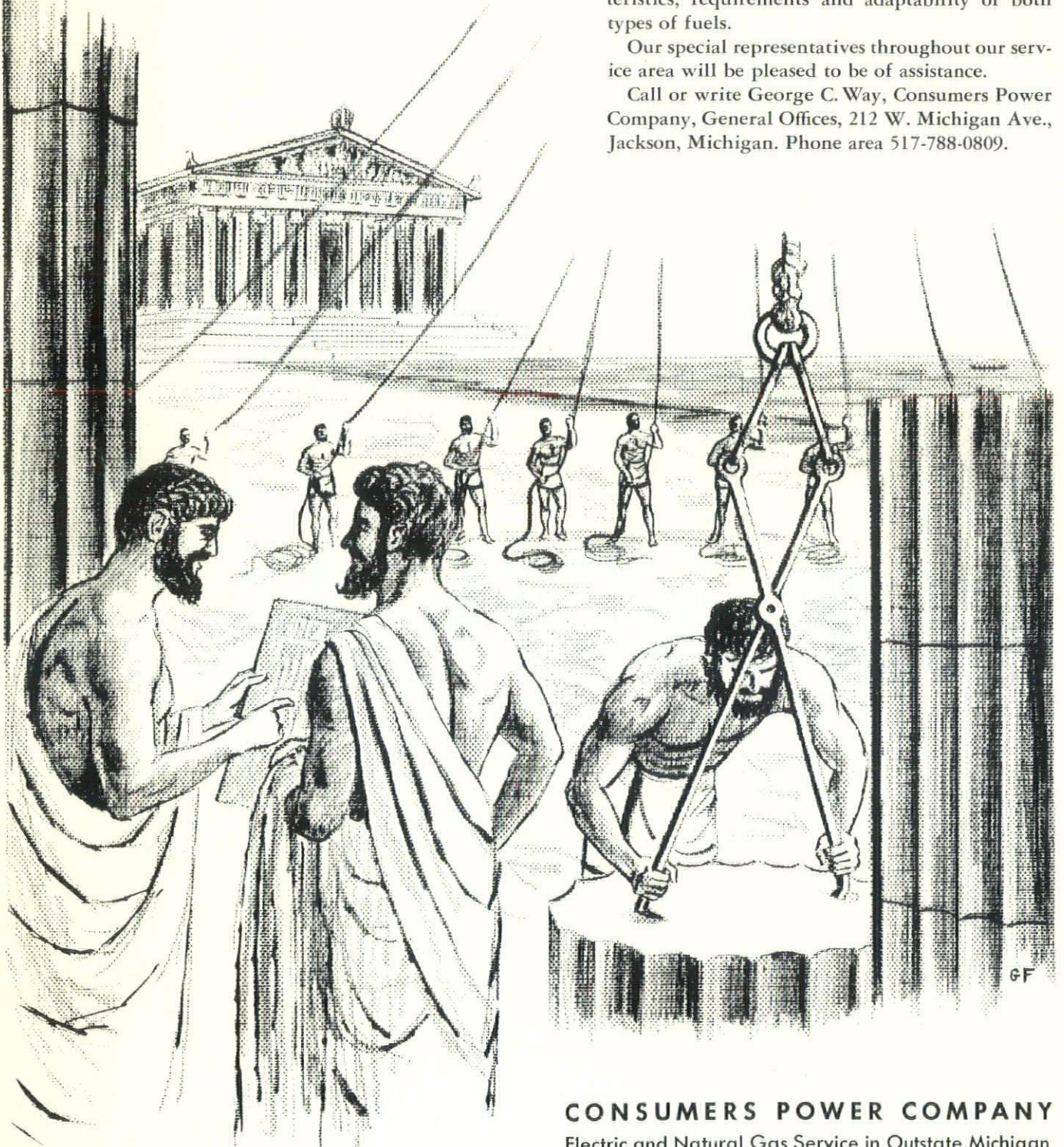
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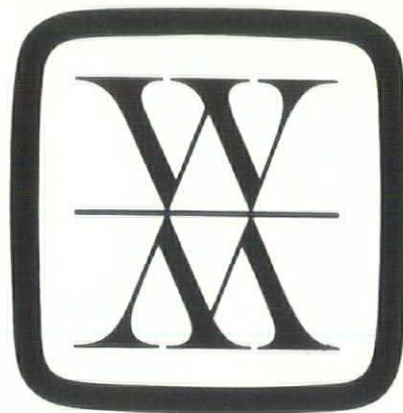


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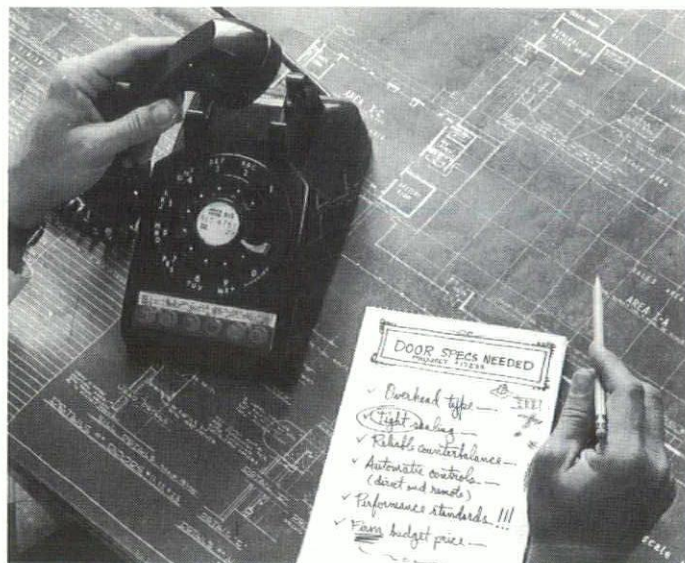
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Smith, William P., Jr., 15560 Robinwood GL 3-1131

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Frankenfield, William G., 2425 St. Joseph 682-1613
Friedman, Jack S., & Assoc., 373 S. Telegraph 335-0501
Heenan, George A., 182 N. Saginaw St. FE 2-1622

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Lytle, George D., 2300 N. Woodward LI 7-8280
Smith & Smith Associates, 4268 N. Woodward .. LI 9-1710

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Beach & Waters, Architects, 1023 S. Jefferson 753-1403
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Kelley, Don J., 4962 Dixie Hwy 755-3865
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709 Federal 754-6551
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Stenglein, William C., 5417 Weiss 792-4680
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Stiffler, David L., 300 Grandview Pkwy WI 6-7858
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*Editor's Note: Please advise the Monthly Bulletin office
of any corrections or additions to this Roster.*

M.S.A. Schedule of Recommended Minimum Fees

The following schedule of recommended minimum fees has been approved by the Michigan Society of Architects.

It is subject to variation with each project, depending upon complexity and nature. In instances where projects do not clearly fall into the categories listed, judgment is required to determine the appropriate category and corresponding fee.

sponding fee.

This schedule will be included in a new document of the Michigan Society of Architects which will be published soon. In the meantime, it is hoped that this information will be of value to the architects of Michigan. Additional copies may be obtained from the Bulletin office.

TYPES OF CONSTRUCTION PROJECTS

TYPE A:

| | |
|-------------------|-------------------|
| Garages | Simple Stores |
| Parking Ramps | Utility Buildings |
| Loft Buildings | Warehouses |
| Simple Industrial | |

Other structures of simple utilitarian character which are without complication of design or detail and require a minimum of simple finish, mechanical and electrical work.

TYPE B:

| | |
|------------------------|--------------------------|
| Apartment Buildings | Complicated Industrial |
| Armories | Process Buildings |
| Auditoriums | Hotels |
| Banks | Public Housing |
| City Halls | Schools, Public and |
| College Buildings (See | Private |
| also Type C) | Laundries |
| Department Stores | Libraries |
| Dormitories | Office or Administration |
| Detention or Custodial | Buildings |
| Buildings | Recreational Buildings |
| Fire Stations | Shopping Centers |
| Food Service Buildings | Theaters |

Other structures of similar complexity of design, detail and equipment.

TYPE C:

| | |
|--------------------|--------------------|
| Convalescent Homes | Medical, Dental or |
| Health Clinics | Veterinary Offices |
| Hospitals | Power Plants |
| Laboratories | |

Buildings for Research, Teaching of Medicine, Veterinary Medicine, Chemistry or other Sciences.

Other structures of exceptional character requiring the greatest skill in design and containing comparatively large amounts of complex scientific, mechanical and electrical equipment.

TYPE D:

| | |
|---|---------|
| Churches | Chapels |
| Religious Educational Facilities (other than day schools) | |

TYPE E:

Private residences

TYPE F:

Site Development and Landscaping
Furnishings consisting of fixed and movable equipment for buildings of Type A, B, C, D, and E above.

SCHEDULE OF RECOMMENDED BASIC COMPENSATION

Basic Compensation (as % of Construction Cost)

| Construction Cost | Type A | Type B | Type C | Type D | Type E | Type F |
|-------------------|--------|--------|--------|--------|--------|--------|
| Up to 5,000 | | | | | | 15.0 |
| 10,000 | | | | | | 13.0 |
| 25,000 | | | | | | 12.0 |
| 50,000 | 7.0 | 8.0 | 9.0 | 10.0 | 15.0 | 11.0 |
| 100,000 | 6.5 | 7.5 | 8.5 | 9.5 | 12.0* | 10.0* |
| 200,000 | 6.3 | 7.3 | 8.3 | 9.3 | | |
| 300,000 | 6.1 | 7.1 | 8.1 | 9.1 | | |
| 400,000 | 6.0 | 7.0 | 8.0 | 9.0 | | |
| 500,000 | 5.9 | 6.9 | 7.9 | 8.9 | | |
| 600,000 | 5.8 | 6.8 | 7.8 | 8.8 | | |
| 800,000 | 5.6 | 6.6 | 7.6 | 8.6 | | |
| 1,000,000 | 5.4 | 6.4 | 7.4 | 8.4 | | |
| 1,500,000 | 5.2 | 6.2 | 7.2 | 8.2 | | |
| 2,000,000 | 5.0 | 6.0 | 7.0 | 8.0 | | |
| 2,500,000 | 4.8 | 5.8 | 6.8 | 7.8 | | |
| 3,000,000 | 4.7 | 5.7 | 6.7 | 7.7 | | |
| 4,000,000 | 4.6 | 5.6 | 6.6 | 7.6 | | |
| 5,000,000 | 4.5 | 5.5 | 6.5 | 7.5 | | |

*Over \$50,000

For construction contracts involving remodeling and alteration of existing buildings add 3.0% to the basic compensation rates shown above to determine the basic compensation for that portion of such contracts.

For construction contracts involving additions to existing buildings add 2.0% to the basic compensation rates shown above, to determine the basic compensation for that portion of such contracts.

For construction contracts involving reuse of construction documents compensation is 2% less than basic compensation for original use plus hourly rate or fixed fee for any required changes.

The schedule of basic compensation applies when all construction is let under a single contract. Increased rates are earned if separate contracts are required, thereby increasing the architect's burden of service, expense and responsibility. The minimum increase should be 2% of the value of the contracts segregated from the general contract, but the increase should not apply to the work remaining in the general contract. In situations where separate bidding is required with the successful bidders then assigned, as subcontractors, to the general contractor the increased compensation to the architect may be less than 2% of the value of each of the segregated bids.

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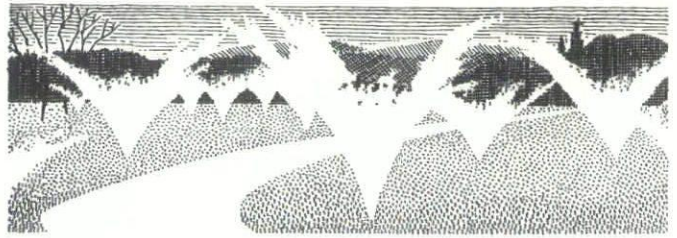
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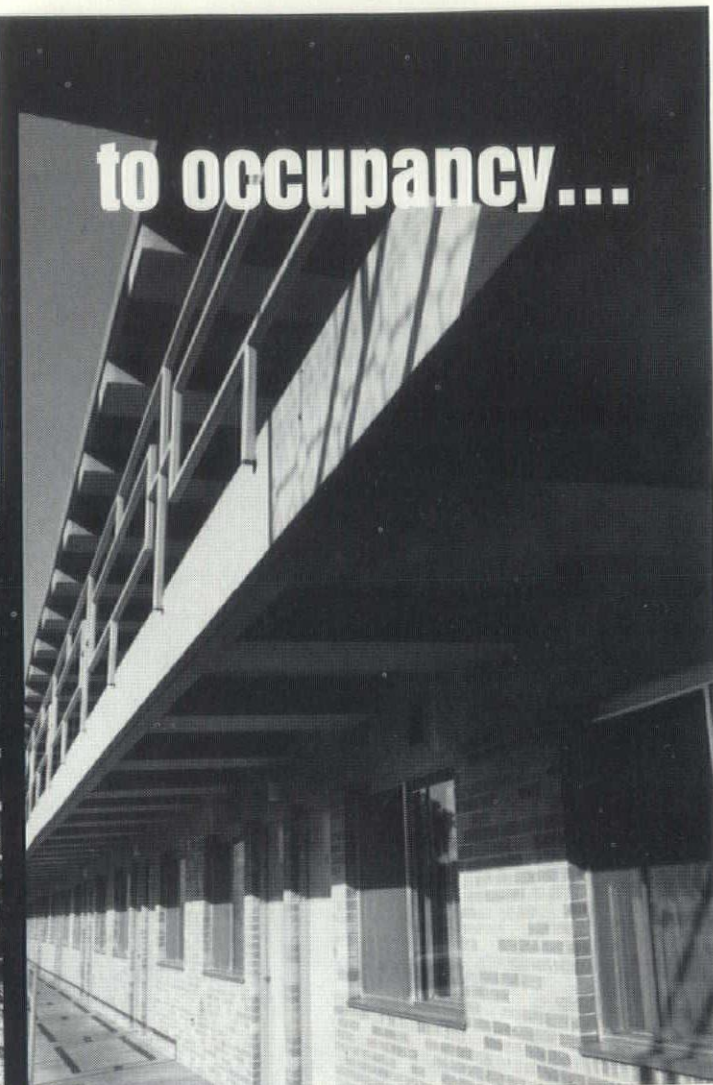
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Detroit Chapter Allied Arts Festival Scheduled

Louis G. Redstone, FAIA, chairman of the Allied Arts Committee has announced that the Chapter's annual Allied Arts Festival will be held in the J. L. Hudson Co.'s downtown store on Saturday, November 21, 1964.

The schedule for the Festival is as follows:

- 4:00 PM Champagne Reception — Hudson Galleries—honoring an exhibition of sculpture by Jacques Lipshitz.
- 6:00 PM Gala Dinner in Hudson's Terrace Room.
- 7:00 PM Talk on the Arts by Peter Blake, noted Architect, Author and Lecturer.

Further details will be announced. All members of the eight A.I.A. chapters in Michigan and their friends will be most welcome.

WALD News to be Regular Monthly Bulletin Feature

Starting with the November issue of the Bulletin, news of the activities of the Women's Architectural League of Detroit will be a regular monthly feature. Columnist for WALD will be Marie Noth. Information regarding the program for the year is contained in a letter to WALD members from Edythe Schoettley, president, dated September 18, 1964 and reprinted below.

Dear Ladies:

We had hoped to give you a complete outline of this year's activities at this time. However, as the program committee has not received the information from the Art Institute as yet, we will try to inform you about our entirely new format for the coming season.

The Art Institute has graciously agreed to give us a room for our meeting and their Educational Dept. will do the programs. The subjects of the lectures are not available to us at this writing but we have been told they will be on various aspects of the Institute and as you know, this should cover all forms of Art.

The meetings will start with a lecture at 11:00 AM and should last approximately one hour. Following the lecture, the ladies who care to can have a delicious lunch in the Kresge Court. You may bring guests and it will be an ideal opportunity for all of us to become really acquainted with

our beautiful and world famous Art Institute.

Your officers are very enthusiastic about our new plans and hope that you will be too. Our dates at the Institute are:

October 2, 1964
December 8, 1964
February 16, 1965
April 20, 1965

Please mark your calendars for these dates and plan to be with us for each meeting. You will receive more definite information in another letter. Your officers hope to welcome you at all meetings this season.

Sincerely,
Edythe Schoettley
President, W.A.L.D.

Lawrence Tech Students Elect Chapter Officers

Michael G. Krekorian, corresponding secretary of the L. I. T. Student Chapter, A.I.A. has reported the election of officers for the 1964-65 school year.

Heading the Chapter is Harold Varner, president. Serving with him are: Gerald Yurk, vice president—day school; Robert LeBeck, vice president—night school; Frank Ozdarski, recording secretary; Ken Livingston, treasurer and Krekorian.

Varner and Livingston attended the A.I.A. convention in St. Louis in June and participated in the student programs at the convention.

Demiene, Kasprzak Named Associates by Linn Smith

Linn Smith Associates, Inc., architects of Birmingham, have announced that William L. Demiene, AIA and Robert F. Kasprzak, AIA have been made associate members of the firm.

Demiene will continue in his present capacity as chief designer while Kasprzak's duties as chief draftsman will be expanded to embrace additional production operations.

A Birmingham resident, Demiene graduated from the University of Michigan and received a master's degree from M.I.T.. Kasprzak, an Oak Park resident, is a graduate of the University of Detroit.

Projects of the firm now in progress include a high school in Detroit, a remodeling program for the J. L. Hudson Co., an exchange building for Michigan Bell Telephone Co. at Belding and an office building for the Craftsmen's Credit Union, Detroit.

King & Lewis Building In Glass Co. Quarterly

Featured in American Saint Gobain's Summer, 1964 review, is King & Lewis' office building in the Lafayette redevelopment area.

Tenants in the building include a branch of the National Bank of Detroit on the first floor and King & Lewis on the second.



Following a tour of the design and engineering office of Giffels & Rossetti, Inc., 2nd Class Scout Laurence Phillips (6459 Shadowlawn, Dearborn Heights) received the design highlights of an apartment development from Gino Rossetti, a member of the Detroit-based architectural and engineering firm. At the left is Charles K. Alawan, district sales manager of Fenestra, Inc., who is sponsoring Larry's bid for a merit badge in mechanical drafting. Larry's Troop No. 1134 is in the Saulk Trail District.

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PCA Announces Office Engineer Appointment

Appointment of Leslie T. Willoughby to the position of office engineer for the Michigan District of Portland Cement Association has been announced by District Engineer Robert H. Lochow.

Willoughby will assume his new duties immediately in the Association's Lansing offices located at 900 Stoddard Building.



Prior to moving to Lansing, Willoughby served three years as senior staff assistant in the Association's general offices in Chicago and 25 years as district manager in the Vancouver, B. C., Canada offices. Earlier, he was employed by the British Columbia Cement Company in Victoria, B. C., Canada.

In his new post Willoughby will be in charge of office management functions and services for the Michigan headquarters of the Portland Cement Association.

MMCA AIA Guide For Mechanical Work

Michigan Mechanical Contractors Association has announced that copies of the brochure "Guide for The Preparation of Drawings & Specifications for Mechanical Work" may be obtained by writing the MMCA office at 1015 Prudden Building, P.O. Box 107, Lansing, Michigan 48933.

The purpose of this Guide is to promote better understanding between mechanical contractors and architects/engineers by suggesting inclusion of those necessary minimum elements in the mechanical drawings and specifications which allow contractors to prepare intelligent quotations and provide services resulting in a satisfactory product to the owner.

The Guide was developed by a joint committee comprised of representatives of the Michigan Mechanical Contractors Association and the Grand Valley, Mid-Michigan and Western Michigan Chapters, Ameri-

can Institute of Architects, who made contributions from backgrounds of many years experience in the contracting and designing fields.

Roof Vent With Urethane Foam Increases Roof Life

A new product designed to increase roof life by preventing costly moisture blisters in roof insulation has been introduced by O. O. McKinley Co., Inc., of Indianapolis, manufacturers of quality metal building products. The product is a permanent roof insulation vent constructed of fire retardent urethane foam under a heavy gauge aluminum cap. The vent is built right into roof flashing, becoming a permanent part of the insulation that will last as

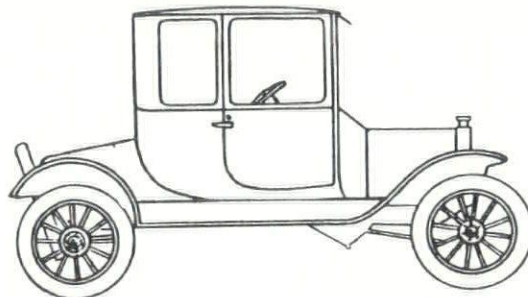
long as the roof itself.

Because the urethane foam has a 97% closed cell structure, it prevents moisture condensation from forming inside the vent.

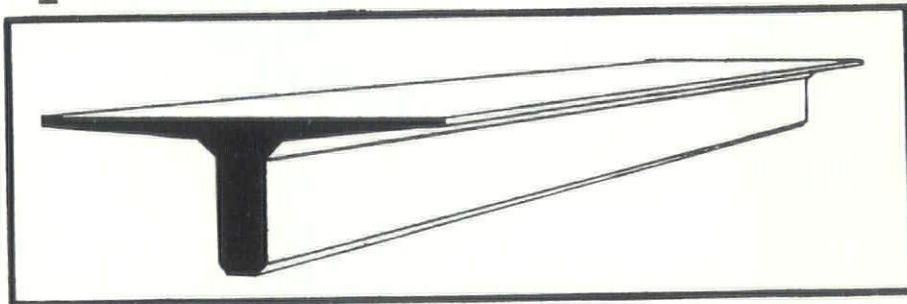
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|--|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Factories and Warehouses: | | | | | | | | | | | | | | | | |
| Fireproof (Under 300,000 cu. ft.) | .14 | .31½ | .23 | .22 | .16½ | .25 | .28 | .30 | .31 | .32 | .34½ | .35 | .41½ | .45 | .49 | .49 |
| Fireproof (Over 300,000 cu. ft.) | .12½ | .29 | .22 | .21 | .15 | .23 | .25 | .26 | .27½ | .28½ | .31 | .32 | .38 | .41 | .45 | .45 |
| Mill Construction | .10 | .22½ | .16 | .15½ | .12 | .16 | .17 | .18½ | .20 | .21 | .23 | .24 | .27 | .31 | .33½ | .33½ |
| Ordinary | .09 | .21 | .14½ | .13½ | .10 | .13½ | .16 | .17½ | .19 | .20 | .21½ | .22 | .24½ | .28 | .30 | .30 |
| Frame | .07½ | .17 | .11 | .10 | .08½ | .09 | .12 | .14 | .15 | .15½ | .17½ | .18 | .21 | .24 | .26½ | .26½ |
| Stores: | | | | | | | | | | | | | | | | |
| Fireproof | .23 | .52 | .40 | .38½ | .31 | .42 | .46 | .50 | .53 | .55 | .59 | .60 | .67½ | .74 | .80 | .80 |
| Ordinary | .16½ | .37½ | .26½ | .25 | .21 | .26 | .29 | .31 | .34 | .36 | .39 | .39½ | .44 | .50 | .54 | .54 |
| Flats (Above Ordinary) | .22 | .48½ | .29 | .27 | .22 | .24½ | .27½ | .29½ | .33 | .35 | .38 | .40 | .45½ | .52 | .56 | .56 |
| Ordinary without Basements | | | .19 | .17 | .15 | .17 | .20 | .22 | .24 | .25 | .26 | .26½ | .30 | .34 | .37 | .37 |
| Markets: | | | | | | | | | | | | | | | | |
| Ordinary without Basements | | | | | | .13 | .14½ | .16 | .18 | .19 | .20½ | .21 | .25 | .28 | .30 | .30 |
| Churches and Theatres: | | | | | | | | | | | | | | | | |
| Fireproof | .18 | .40½ | .36 | .35 | .27 | .42 | .50 | .54 | .56 | .58 | .63 | .64½ | .72 | .75 | .81 | .81 |
| Ordinary | .15½ | .35 | .27½ | .26 | .22 | .30 | .35 | .38 | .42 | .44 | .48 | .49 | .55 | .60 | .65 | .65 |
| Office Buildings: | | | | | | | | | | | | | | | | |
| Fireproof | .30½ | .68½ | .52 | .50 | .39 | .54 | .59 | .64 | .67 | .69 | .74½ | .75 | .85 | .95 | 1.03 | 1.03 |
| Ordinary | .22 | .48½ | .33½ | .32 | .26½ | .32 | .37½ | .40 | .43½ | .46 | .50 | .52 | .59 | .67 | .72 | .72 |
| Hotels: | | | | | | | | | | | | | | | | |
| Fireproof | .33½ | .75½ | .57 | .56 | .45 | .59 | .64 | .69 | .72 | .74 | .80 | .82 | .92 | .99 | 1.07 | 1.07 |
| Ordinary | .29½ | .66½ | .34 | .31 | .26½ | .32 | .37½ | .40 | .45 | .47½ | .51½ | .53 | .58½ | .66 | .71 | .71 |
| Schools: | | | | | | | | | | | | | | | | |
| Fireproof | .22 | .48½ | .43½ | .40 | .33 | .45 | .50 | .54 | .56 | .58 | .63 | .64½ | .73 | .82 | .89 | .89 |
| Ordinary | .22 | .48½ | .43½ | .40 | .33 | .45 | .50 | .54 | .56 | .58 | .63 | .64½ | .73 | .82 | .89 | .89 |
| Hospitals: | | | | | | | | | | | | | | | | |
| Fireproof | .32 | .72 | .43½ | .45 | .33½ | .60 | .66 | .71½ | .72½ | .74½ | .80½ | .82 | .88½ | .98 | 1.06 | 1.06 |
| All Steel Buildings: | | | | | | | | | | | | | | | | |
| Under 20,000 cu. ft. | .12 | .25 | .14 | .13 | .12 | .14 | .15 | .16 | .16½ | .17½ | .19 | .19½ | .22 | .24½ | .26½ | .26½ |
| 20,000 to 100,000 cu. ft. | .08 | .18 | .12 | .10½ | .10½ | .12 | .14 | .15½ | .16 | .17 | .18½ | .19 | .21½ | .24 | .26 | .26 |
| Over 100,000 cu. ft. | .06½ | .14 | .10 | .09 | .07½ | .10 | .11½ | .12½ | .13 | .14 | .15 | .16 | .18 | .20 | .21½ | .21½ |
| Apartment Buildings: | | | | | | | | | | | | | | | | |
| Fireproof | .35 | .78 | .52½ | .50 | .41 | .55 | .59½ | .64 | .67 | .69½ | .75 | .77 | .87 | .96 | 1.04 | 1.04 |
| Protected | .29½ | .66½ | .46 | .45 | .36 | .45½ | .50½ | .55 | .57 | .59 | .64 | .65½ | .70 | .77 | .84 | .84 |
| Brick (Ordinary) | .28 | .63 | .32 | .29 | .26½ | .36 | .41 | .44½ | .47 | .49½ | .54 | .56 | .62 | .71 | .77 | .77 |
| Brick (Veneer) | .24 | .54 | .30 | .28 | .25½ | .25½ | .31 | .34 | .36½ | .38 | .41 | .43 | .48 | .55 | .59½ | .59½ |
| Residences: | | | | | | | | | | | | | | | | |
| Brick (with 12" basement wall) | .30½ | .68½ | .46 | .44½ | .31 | .32 | .36 | .40 | .45½ | .46 | .50 | .52 | .59 | .67 | .72 | .72 |
| Brick (1-Story with 8" Basement walls) not over 18,000 cu. ft. | .24 | .54 | .32½ | .30½ | .25 | .27½ | .31½ | .35 | .37 | .37 | .40 | .42 | .47 | .53 | .56 | .56 |
| Brick (Veneer or Stucco) 1 Story | | | | | | .23½ | .30 | .33 | .36 | | | | | | | |
| Brick (Veneer or Stucco) 1-Story not over 18,000 cu. ft. | | | | | | | | | | .35 | .38 | .39 | .44 | .50 | .54 | .54 |
| Frame | .21½ | .48½ | .26½ | .24 | .21½ | .19 | .25 | .28 | .31 | .32 | .36 | .37 | .41 | .47 | .50 | .50 |
| Frame (1 to 1½ Stories) not over 18,000 cu. ft. | | | | .20 | .17 | .18 | .23 | .24 | .30 | | | | | | | |
| Cinder Concrete Block | | | .39 | .37 | .27 | .30 | .34 | .38 | .42 | .31 | .34 | .36 | .39 | .45 | .49 | .49 |
| Cinder Concrete Block (1-Story not over 18,000 cu. ft.) | | | | | | | | | | .43 | .46 | .47½ | .51 | .58 | .62 | .62 |
| Garages: | | | | | | | | | | | | | | | | |
| Gas and Service Station | | | | | .26½ | .35 | .42½ | .45 | .48 | .48 | .50 | .53 | .65 | .67 | .72 | .72 |
| Fireproof | .30 | .23 | .23 | | .18 | .25 | .28 | .30 | .31 | .32 | .34½ | .35 | .41½ | .45 | .49 | .49 |
| Mill Construction | .20 | .15 | .13½ | | .12 | .15 | .18 | .19 | .21 | .22 | .24 | .25 | .27 | .31 | .34 | .34 |
| Ordinary | .17 | .13½ | .13 | | .10½ | .13½ | .15 | .16 | .17 | .18 | .19½ | .20 | .23 | .26 | .28 | .28 |
| Frame | .14 | .10 | .09 | | .08 | .08½ | .10½ | .11 | .12 | .12½ | .14 | .15 | .17 | .19½ | .21 | .21 |
| Sheds Without Heat: | | | | | | | | | | | | | | | | |
| Enclosed Without Floor (Frame) | | | | | .05 | .05 | .06 | .06½ | .07 | .07½ | .08 | .08½ | .10 | .11 | .12 | .12 |
| Enclosed (Frame) | | | | | .06½ | .07 | .08 | .09 | .10 | .10½ | .11½ | .12 | .13½ | .14½ | .15½ | .15½ |
| Enclosed (Ordinary Construction) | | | | | .10½ | .10 | .11½ | .12½ | .14 | .15 | .16 | .17 | .19 | .20 | .21½ | .21½ |
| Enclosed Without Floor (Ordinary Construction) | | | | | .10 | .09 | .10 | .11 | .12 | .13 | .14 | .15 | .17 | .18½ | .20 | .20 |
| Enclosed (All Steel) | | | | | .05 | .06 | .07 | .07½ | .08 | .09 | .10 | .10½ | .12 | .13 | .14 | .14 |
| Enclosed Without Floor (All Steel) | | | | | .04 | .05 | .06 | .06½ | .07 | .08 | .09 | .10 | .11 | .12 | .13 | .13 |
| Open Shelter (Frame Construction) | | | | | .03½ | .04½ | .05 | .05½ | .06 | .07 | .08 | .08½ | .10 | .10½ | .11 | .11 |

SCHEDULE OF UNIT COSTS BASED ON

Annually since 1915, the Detroit Real Estate Board has produced and distributed a schedule of unit costs employing cubical contents of buildings as the basis of determination of costs. The schedule, revised as of Jan. 1, 1964, is presented herewith.

The schedule of costs was produced primarily as a service to members of the Detroit Real Estate Board, as a guide in estimating construction or reproduction costs and as a possible guide to appraisers. Within recent years, scores of requests for copies have come from all parts of the United States and numerous trade publications have asked permission to publish the schedule. It has been and continues to be the policy of the Detroit Real Estate Board to authorize reproduction of the schedule by banks, trust companies, insurance companies, building and loan associations, mort-

gage companies, appraisal organizations, etc., for the personal use of members of those organizations but no permission is given for reproduction of the schedule for sale. Additional copies may be purchased from the Detroit Real Estate Board at 75 cents each.

The willing and painstaking cooperation of the Department of Buildings and Safety Engineering in the preparation of this schedule is appreciatively acknowledged. In using this schedule, the rules established by Commissioner Clyde E. Dougherty and his department heads, should be observed. These rules follow:

"The cubical volume of a building for the purpose of determining the fees shall be measured as follows:

"From the outside of the walls and from the basement floor to the mean point of a pitched roof shall include all dormers, enclosed porches, pent houses, and other enclosed

FOOT IN DOLLARS

| Jan. 1 1951 | Jan. 1 1952 | Jan. 1 1953 | Jan. 1 1954 | Jan. 1 1955 | Jan. 1 1956 | Jan. 1 1957 | Jan. 1 1958 | Jan. 1 1959 | Jan. 1 1960 | Jan. 1 1961 | Jan. 1 1962 | Jan. 1 1963 | Jan. 1 1964 | Classifications of Buildings |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| .53 | .55 | .59 | .62 | .64 | .67 | .70 | .72 | .75 | .78 | .79 | .81 | .83 | .86 | Factories and Warehouses: |
| .48½ | .50½ | .54½ | .58 | .60 | .63 | .66 | .68 | .71 | .74 | .75 | .77 | .79 | .82 | Fireproof (Under 300,000 cu. ft.) |
| .35 | .36 | .38 | .40 | .41 | .43 | .45 | .46 | .48 | .50 | .50 | .51 | .51 | .53 | Fireproof (Over 300,000 cu. ft.) |
| .32 | .33 | .35 | .36 | .37 | .38 | .40 | .41 | .42 | .43 | .43 | .44 | .45 | .47 | Mill Construction |
| .28½ | .29½ | .31 | .31 | .31 | .32 | .33 | .33 | .34 | .35 | .35 | .36 | .37 | .38 | Ordinary |
| | | | | | | | | | | | | | | Frame |
| .85 | .88½ | .95 | 1.01 | 1.04 | 1.09 | 1.14 | 1.17 | 1.23 | 1.28 | 1.30 | 1.33 | 1.37 | 1.42 | Stores: |
| .57 | .59 | .62 | .64 | .65 | .68 | .72 | .73 | .75 | .77 | .78 | .79 | .81 | .84 | Fireproof |
| .59 | .61 | .64 | .66 | .67 | .70 | .74 | .75 | .77 | .79 | .79 | .80 | .82 | .85 | Ordinary |
| .39 | .40 | .42 | .44 | .45 | .47 | .50 | .51 | .53 | .54 | .55 | .56 | .57 | .59 | Flats (Above Ordinary) |
| | | | | | | | | | | | | | | Ordinary without Basements |
| .31½ | .32½ | .34 | .36 | .37 | .39 | .41 | .42 | .43 | .44 | .44 | .45 | .46 | .48 | Markets: |
| | | | | | | | | | | | | | | Ordinary without Basements |
| .87 | .90½ | .95 | .99 | 1.02 | 1.06 | 1.11 | 1.13 | 1.17 | 1.21 | 1.23 | 1.25 | 1.28 | 1.32 | Churches and Theatres: |
| .69 | .71 | .74½ | .76 | .77 | .80 | .84 | .85 | .87 | .89 | .89 | .90 | .92 | .95 | Fireproof |
| | | | | | | | | | | | | | | Ordinary |
| 1.10 | 1.14½ | 1.22 | 1.27 | 1.31 | 1.36 | 1.43 | 1.46 | 1.51 | 1.57 | 1.59 | 1.62 | 1.66 | 1.71 | Office Buildings: |
| .77 | .80 | .84 | .85 | .88 | .89 | .93 | .94 | .96 | .98 | .98 | .99 | 1.01 | 1.04 | Fireproof |
| | | | | | | | | | | | | | | Ordinary |
| 1.15 | 1.19½ | 1.27 | 1.33 | 1.37 | 1.42 | 1.49 | 1.52 | 1.57 | 1.63 | 1.65 | 1.68 | 1.73 | 1.79 | Hotels: |
| .75 | .78 | .82 | .84 | .85 | .88 | .92 | .93 | .95 | .97 | .97 | .98 | 1.00 | 1.03 | Fireproof |
| | | | | | | | | | | | | | | Ordinary |
| .95½ | .99 | 1.05 | 1.09 | 1.12 | 1.16 | 1.22 | 1.25 | 1.30 | 1.35 | 1.37 | 1.39 | 1.43 | 1.48 | Schools: |
| | | | | | | | | | | | | | | Fireproof |
| 1.14 | 1.18½ | 1.26 | 1.32 | 1.36 | 1.41 | 1.48 | 1.51 | 1.57 | 1.63 | 1.65 | 1.68 | 1.73 | 1.79 | Hospitals: |
| | | | | | | | | | | | | | | Fireproof |
| .29 | .30 | .32 | .33 | .34 | .36 | .38 | .39 | .40 | .42 | .42 | .41 | .42 | .43 | All Steel Buildings: |
| .27 | .28 | .30 | .31 | .32 | .34 | .36 | .37 | .38 | .40 | .40 | .39 | .40 | .41 | Under 20,000 cu. ft. |
| .23½ | .24½ | .26 | .27 | .28 | .30 | .32 | .33 | .34 | .35 | .35 | .34 | .35 | .36 | 20,000 to 100,000 cu. ft. |
| | | | | | | | | | | | | | | Over 100,000 cu. ft. |
| .12 | 1.16½ | 1.24 | 1.29 | 1.33 | 1.38 | 1.45 | 1.48 | 1.53 | 1.58 | 1.60 | 1.63 | 1.67 | 1.72 | Apartment: |
| .89 | .92 | .97 | 1.00 | 1.02 | 1.06 | 1.11 | 1.13 | 1.16 | 1.20 | 1.21 | 1.23 | 1.26 | 1.30 | Fireproof |
| .81 | .84 | .88 | .89 | .90 | .93 | .97 | .98 | 1.01 | 1.04 | 1.04 | 1.05 | 1.07 | 1.10 | Protected |
| .63 | .65 | .68 | .69 | .70 | .73 | .77 | .78 | .80 | .82 | .82 | .83 | .85 | .88 | Brick (Ordinary) |
| | | | | | | | | | | | | | | Brick (Veneer) |
| .77 | .79 | .82 | .84 | .85 | .88 | .92 | .93 | .95 | .98 | .98 | 1.00 | 1.02 | 1.05 | Residences: |
| .61 | .62½ | .65 | .66 | .67 | .70 | .73 | .74 | .76 | .78 | .78 | .79 | .81 | .83 | Brick (With 12" Basement wall) |
| .59½ | .61½ | .64 | .66 | .67 | .70 | .73 | .74 | .76 | .78 | .78 | .79 | .81 | .83 | Brick (1-Story with 8" Basement walls) not over 18,000 cu. ft. |
| | | | | | | | | | | | | | | Brick (Veneer or Stucco) |
| .57½ | .59½ | .63 | .64 | .65 | .67 | .70 | .71 | .73 | .75 | .75 | .76 | .77 | .79 | Brick (Veneer or Stucco) 1-Story |
| .52 | .54 | .57 | .58 | .58 | .60 | .63 | .63 | .64 | .66 | .66 | .67 | .68 | .70 | Brick (Veneer or Stucco) 1-Story not over 18,000 cu. ft. |
| | | | | | | | | | | | | | | Frame |
| .51 | .53 | .55 | .56 | .56 | .58 | .61 | .61 | .62 | .64 | .64 | .65 | .66 | .68 | Frame (Not over 25,000 cu. ft.) |
| .66 | .68 | .71 | .73 | .74 | .77 | .81 | .82 | .84 | .86 | .86 | .88 | .90 | .93 | Frame (1 to 1½ Stories) not over 18,000 cu. ft. |
| .56 | .58 | .60 | .62 | .63 | .65 | .68 | .69 | .71 | .73 | .73 | .74 | .75 | .77 | Cinder Concrete Block |
| | | | | | | | | | | | | | | Cinder Concrete Block (1-Story not over 18,000 cu. ft.) |
| .78 | .81 | .86 | .89 | .91 | .94 | .99 | 1.01 | 1.04 | 1.07 | 1.08 | 1.08 | 1.11 | 1.14 | Garages: |
| .52 | .54 | .58 | .62 | .64 | .67 | .70 | .72 | .75 | .78 | .79 | .81 | .83 | .86 | Gas and Service Station |
| .85 | .86½ | .88 | .90 | .91 | .93 | .95 | .96 | .98 | .100 | .100 | .100 | .100 | .100 | Fireproof |
| .80 | .81 | .82 | .83 | .84 | .85 | .86 | .87 | .88 | .89 | .89 | .90 | .91 | .92 | Mill Construction |
| .22 | .23 | .24 | .25 | .25 | .26 | .28 | .28 | .29 | .30 | .30 | .31 | .32 | .33 | Ordinary |
| | | | | | | | | | | | | | | Frame |
| .21½ | .13 | .14 | .14 | .14 | .15 | .16 | .16 | .16 | .17 | .17 | .18 | .18 | .18 | Sheds Without Heat: |
| .16 | .16½ | .17½ | .18 | .18 | .19 | .20 | .20 | .21 | .21 | .21 | .22 | .23 | .24 | Enclosed Without Floor (Frame) |
| .22 | .22½ | .24 | .25 | .25 | .26 | .28 | .29 | .30 | .31 | .31 | .32 | .33 | .34 | Enclosed (Frame) |
| .20½ | .21 | .22 | .23 | .23 | .24 | .25 | .26 | .27 | .28 | .28 | .29 | .30 | .31 | Enclosed (Ordinary Construction) |
| .51½ | .16 | .17 | .18 | .19 | .20 | .21 | .22 | .23 | .24 | .24 | .23 | .23 | .24 | Enclosed Without Floor (Ordinary Construction) |
| .4 | .14½ | .15½ | .16 | .16 | .17 | .18 | .19 | .19 | .20 | .20 | .19 | .19 | .19 | Enclosed (All Steel) |
| .1 | .11½ | .12 | .12 | .12 | .13 | .14 | .14 | .14 | .14 | .14 | .15 | .15 | .15 | Enclosed Without Floor (All Steel) |
| | | | | | | | | | | | | | | Open Shelter (Frame Construction) |

BICAL CONTENTS OF BUILDING

portions of a building, but shall exclude open porches.

"In the case of buildings without basements, the measurements shall be taken from the ground line, and in the case of large buildings having deep foundations, the height shall be measured from a point below the basement floor by an amount equal to 1-5 of the depth of the foundation.

"In the case of open shelter sheds and other open sheds, the volume shall be determined by measuring from the projection of the edge of the roof and from the ground line to the mean height of the roof."

The cost figures presented are presumed to represent the minimum cost at which a fairly good building of economic design, may be constructed under most favorable circumstances within the Detroit district. The costs contain architects' fees, contractors' profits and all general items of construction and equipment including plumbing and heating

systems, elevators, incinerators, refrigerating systems, etc. Financing costs, however, are not included.

As bids of individual contractors may vary from 20% to 50%, so may there be a marked variance in the costs of similar buildings erected within a single area. The quality of construction must be taken into account. The schedule presented is based upon the cost of average construction. The costs might be lessened by inferior construction or substantially increased by superior construction. In all instances the schedule should be used to reinforce rather than to supplant the experience, information and judgment of the user prepared under like circumstances and based upon like factors. It may be assumed, therefore, to present a rather accurate picture of the movement of building costs in the Detroit area during the past 49 years.

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Grand Valley State College

ALLENDALE, MICHIGAN

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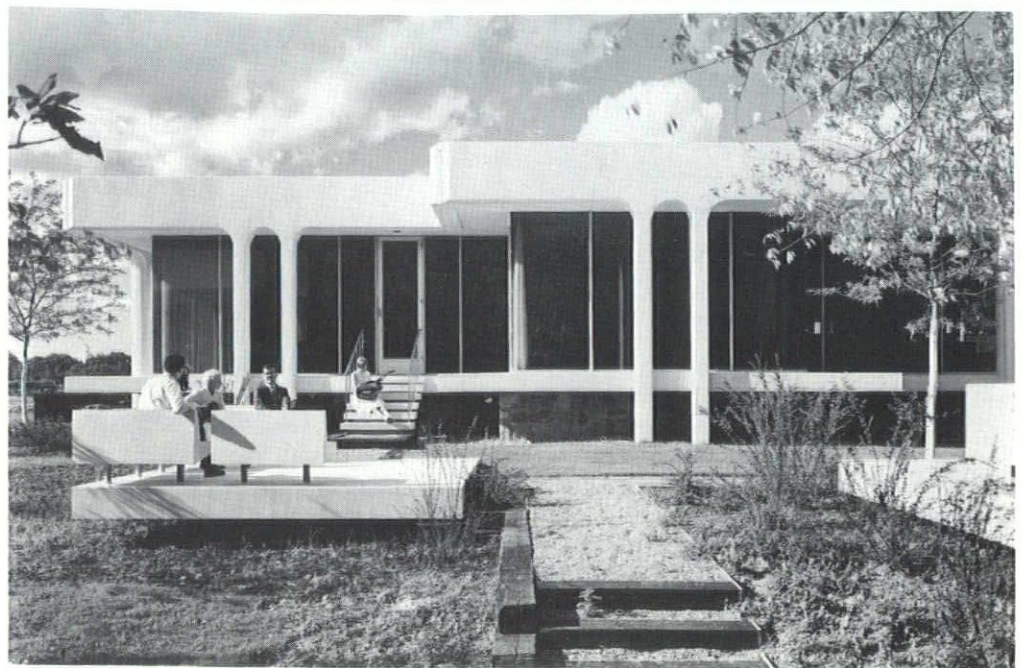
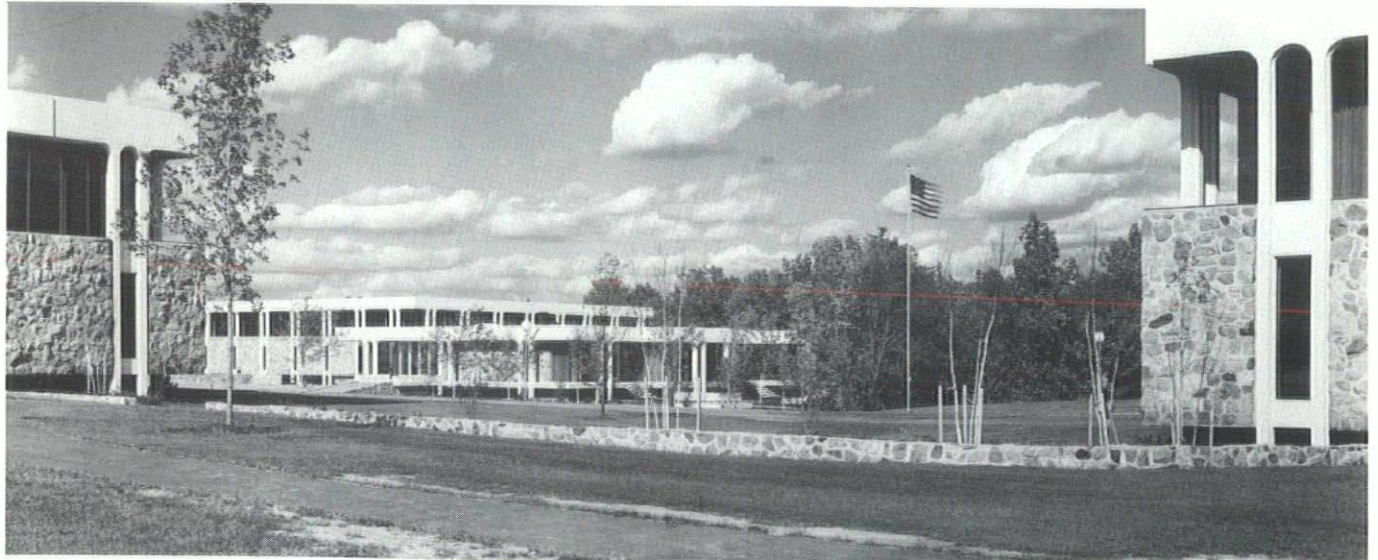
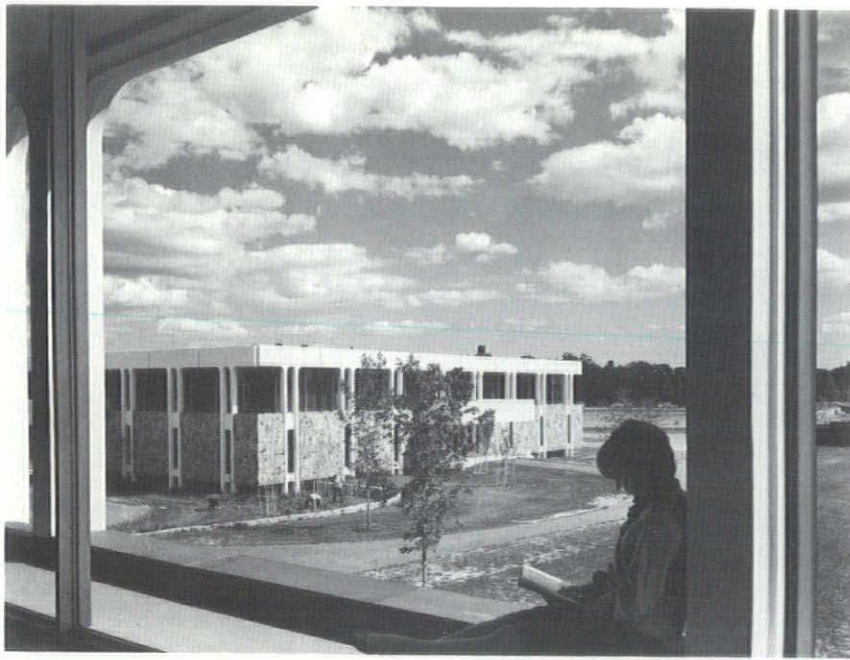
Landscape Architects & Site Planners

Grand Valley State College, Michigan's newest college, was created by act of legislature in 1960. Contributions of many residents of the Grand Valley area made possible the purchase of a 770-acre site for the campus and provided funds for building purposes. Appropriations by the legislature matched these funds, and construction was under way.

The site was chosen to meet regional demands for a state-supported college to serve the educational needs of the eight-county area of Western Michigan. Since students attending G.V.S.C. will commute, consideration was given to accessibility to main transportation arteries and to a central location easily reached from every direction.

Special site characteristics provided additional justification for its choice. Three major attributes were inherent in the terrain. First, a flat stretch of land at the westerly end of the site proved ideally suited for athletic activities and necessary parking areas. Second, the deep wooded ravines define a series of level plateaus, provide unusual natural amenities which contribute to a finer human scale and develop a sense of unity for the entire easterly portion of the site. Third, the Grand River, with its scenic beauty, will contribute to the recreational and athletic programs of the college.

Three approaches to the campus are provided—from the north, south and west. All entrances lead to an encircling spinal road which envelopes the principal

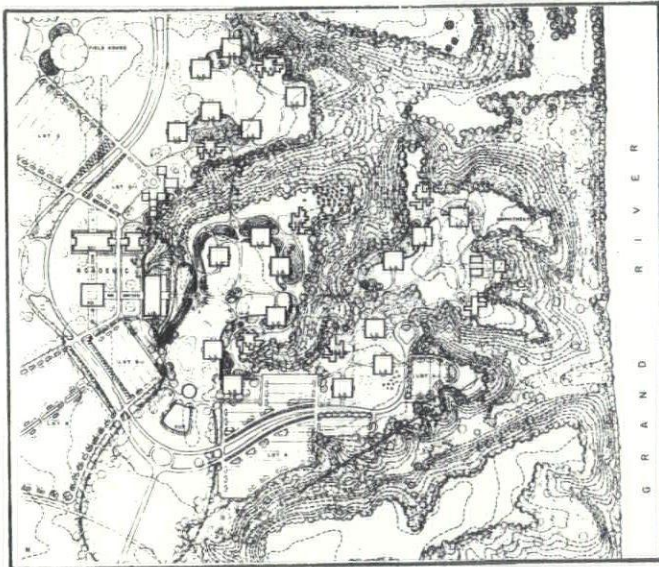


building sites within the ravines. Student parking areas are located on the periphery while faculty parking occurs within the enclosure. Pedestrian circulation originating from these parking areas flows into the building complexes along the edges of the ravines, thus revealing to the students the true characteristics of the terrain. These major circulation arteries also accommodate service vehicles on limited schedules. Such a method insures the exclusion of unsightly and objectionable service areas and contributes to an environment compatible with site and building concepts.

The disposition of building components shown on the General Development Plan illustrates the physical facilities necessary to accommodate an enrollment of 10,000 students.

The core of the college is immediately identifiable when entering the campus from the west. This location permits the core to readily expand in itself and also insures its proper relationship in the event of future college growth.

The plateaus between the ravines contain a system of satellite colleges designed to accommodate 1,500

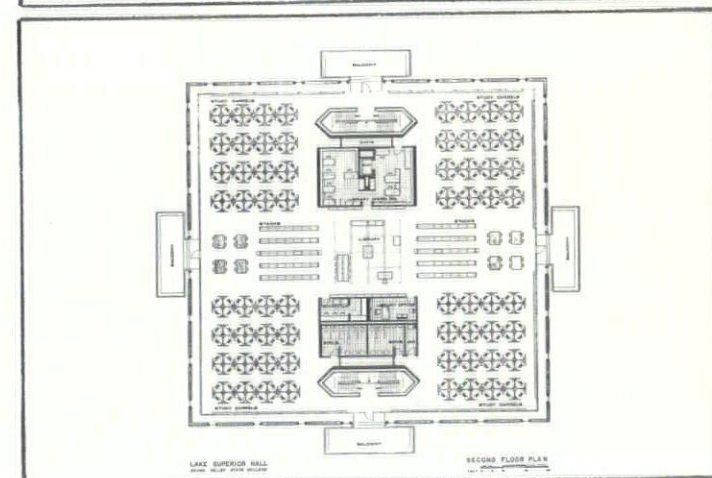
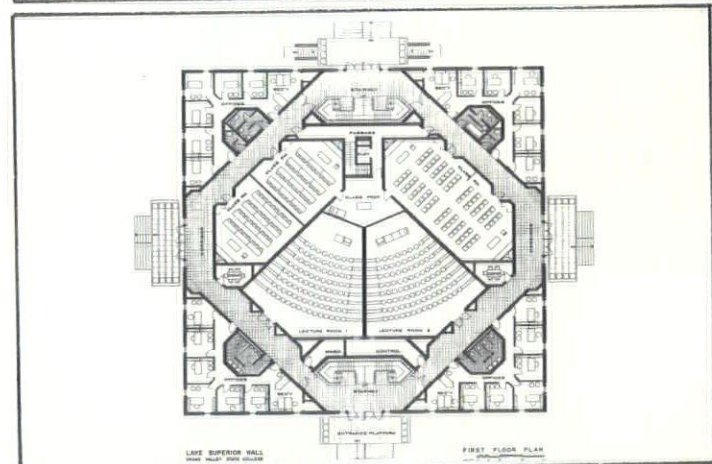
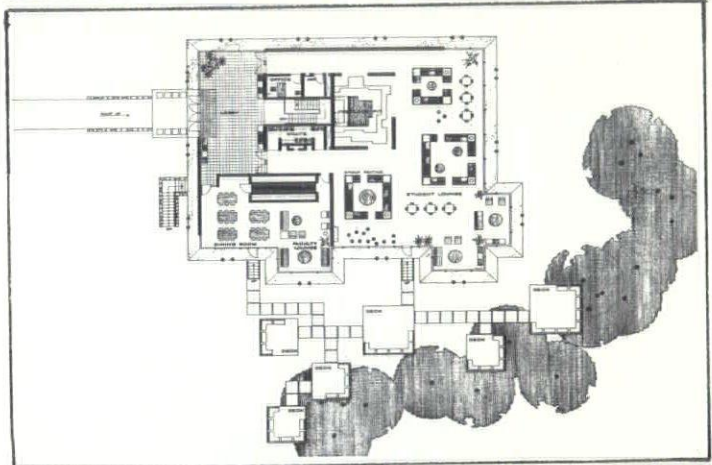
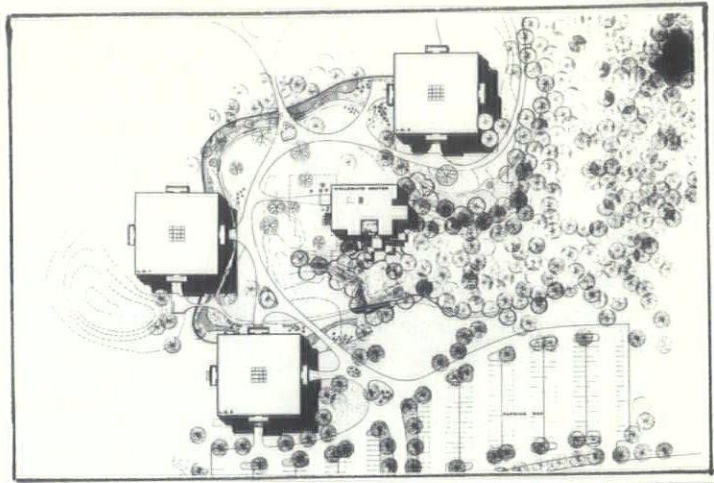


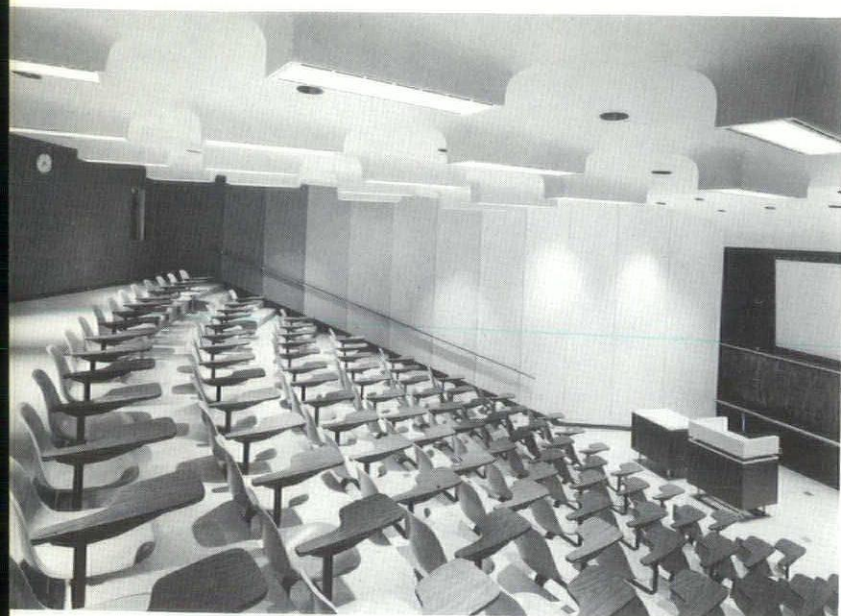
students each. Each satellite consists of three learning centers grouped around one collegiate center.

This method not only serves to adapt buildings to the site, but also to reduce the overall scale of the campus to a more personal and human level. The several plateaus are connected by foot bridges across the ravines. Here, especially, the student will realize the full qualities of the natural terrain.

The northwest quadrant of the site is devoted to athletic play-fields. At the periphery of this area is the field house served by two large parking areas. The southwest quadrant of the site has been reserved for future academic buildings. The lower southeast corner is a potential area for faculty housing, as is the extreme westerly portion adjacent to 48th Street.

Along Highway M-50 is the main service center containing the central heating plant, kitchen and other essential services. This location prevents the entry of large service vehicles into the center of the campus. From this service center, a utility corridor containing underground utilities follows the general shape of the spinal road in reaching the various building complexes.





A system of distribution has been developed to permit flexibility for college growth in the future.

The first learning center for Grand Valley State College was designed to accommodate approximately 500 students and 24 faculty members. Initial site and building program studies were the decisive factors which determined the size and shape of the structure.

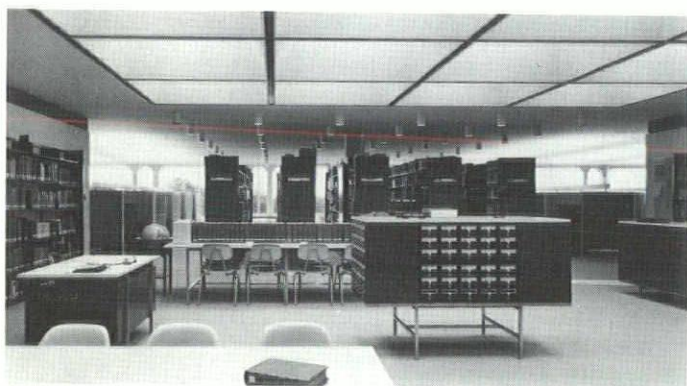
In order to achieve maximum compatibility with the site, a building two stories in height and of moderate size was judged most desirable. The natural division of the educational functions permitted all instructional and faculty spaces to be placed on the first floor with the self-study and library areas on the second floor. Thus active group movement became isolated from the more individual activities.

The general floor plans were designed to reflect the intent of the education program. Specific emphasis was placed on the use of a variety of audio-visual media. Classroom spaces supplement these instructional aids. Equal attention was given to the more traditional instructional methods used in each classroom. Flexibility in classroom size was incorporated through the use of movable partitions in keeping with the educational demands of large and small groups of students. Faculty offices were located adjacent to the instructional spaces and divided into four areas housing six faculty members in each.

The second floor contains study desks and lockers for approximately 240 students along with library facilities. Each student shares a desk and storage area equipped with certain audio-visual aids to supplement the self-study process. Through the use of taped sound and/or televised presentations of educational material, the student has at his fingertips a limitless wealth of knowledge not possible otherwise.

In general, this building has been designed to express two types of environment—the first floor being introverted and more disciplined in character, and the second floor less formal and more extroverted with respect to the site. These characteristics are transposed to the building facade in the form of stone and moderate glass on the first floor and profuse glass on the second floor. In order to inject proper scale, incorporate a discernible system of structure, and provide an identifying character sympathetic with the site, precast concrete columns have been utilized. The use of a natural stone veneer seems at once to be compatible with the qualities of the landscape.

The Collegiate Center will become the center of the sub-college group. As a gathering place for students and faculty, the building will provide the necessary ground for social development so essential to the total college experience. The disposition of the architectural components and the arrangement of furniture create a variety of use areas, dining, quiet intimate conversational groupings, general lounges, and areas of intense activity. A fireplace at the heart of the structure provides a natural focal point and gathering place for students. The structural elements of the Collegiate Center and the use of materials closely follows the pattern established in the Learning Centers. The undulating facade and changing levels of the building, terraces and decks relate the entire complex more closely to the ravines.





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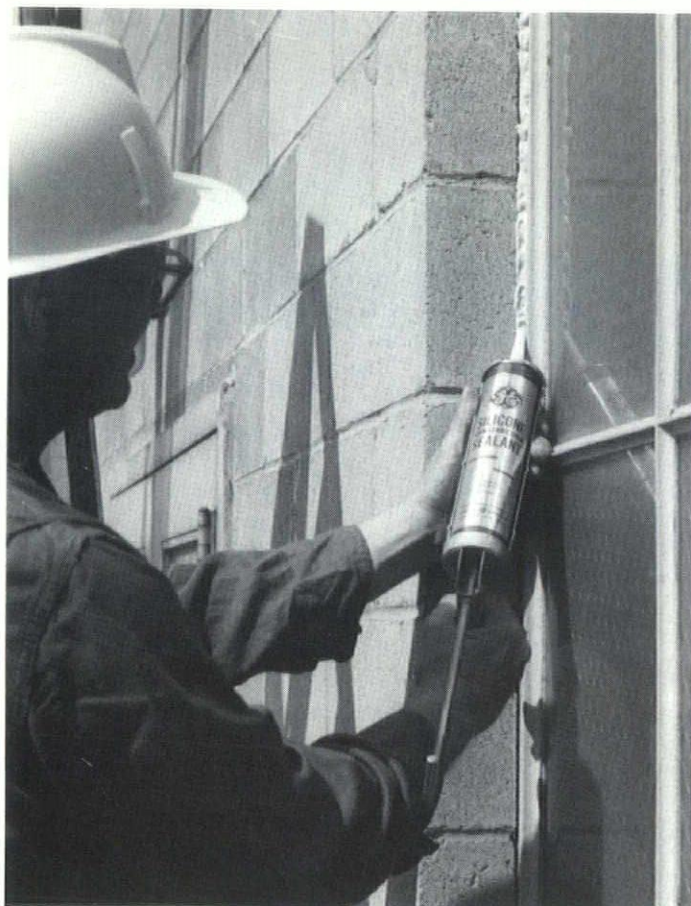
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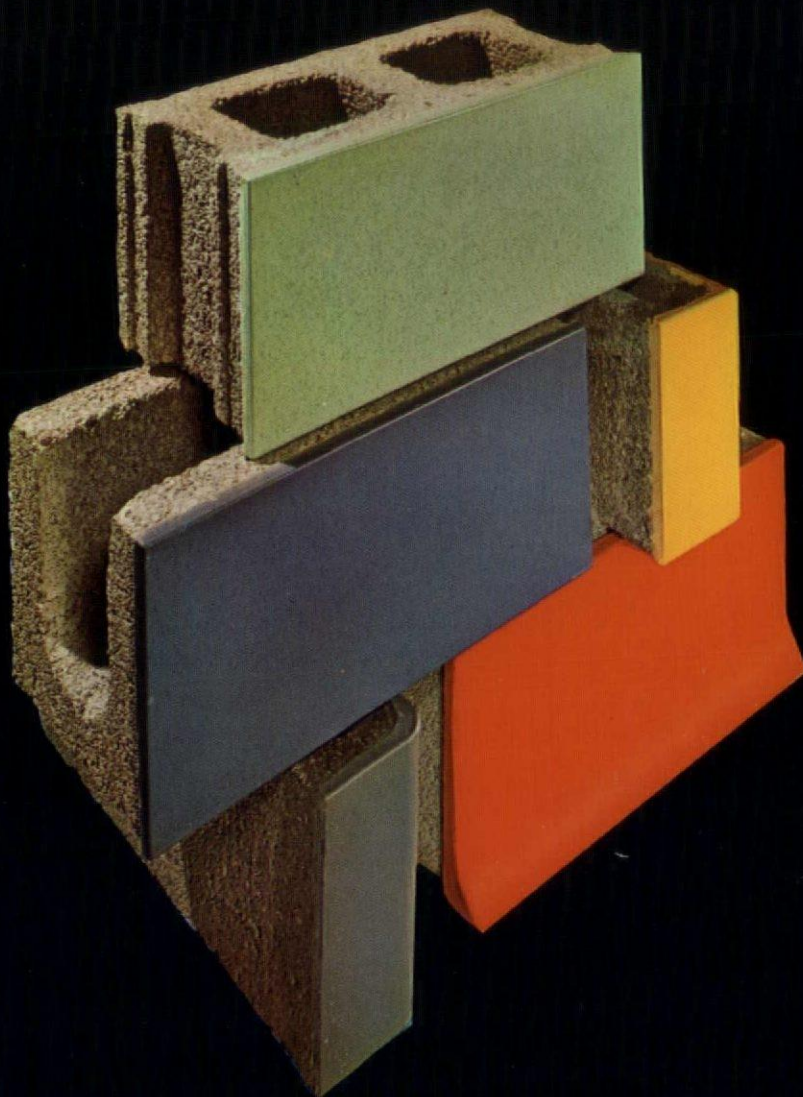
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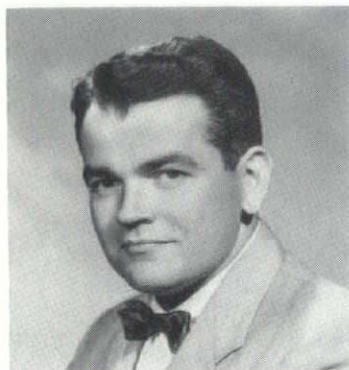
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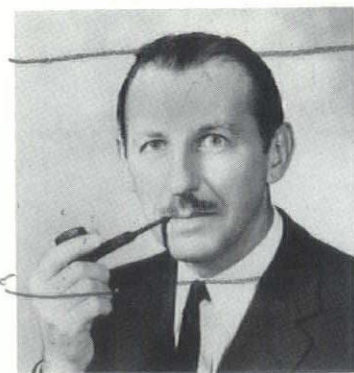
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SH & G Elevates Livingston, Roessling

The elections of James R. Livingston to the position of Executive Vice President and of Adolf H. Roessling to the position of Vice President and Secretary of Smith, Hinchman and Grylls Associates, Inc., Detroit based architectural, engineering and planning firm, has been announced by Robert F. Hastings, FAIA, president.



Livingston, who previously held the position of Vice President and Secretary, was born in Clay County, Indiana in 1923. A graduate of The University of Michigan, he joined Smith, Hinchman and Grylls in 1955, became an associate in 1958, and was elected Vice President in 1962. He is a member of the American Institute of Architects, Michigan Society of Architects, Engineering Society of Detroit, Animal Care Panel and the National Association of Housing and Redevelopment Officials.



Roessling is a native of New York. He received his architectural education at Beaux Arts Institute and Columbia University, joined SH & G in 1955, became an associate in 1957, and was elected a vice president in 1962. He is a member of the American Institute of Architects, Michigan Society of Architects and the Engineering Society of Detroit as well as being

a member of the Roster of Hospital Architects approved by the American Hospital Association, the Committee on Hospitals and Health, Council of Medical Television of the Institute for Advancement of Medical Communication, Michigan Society of Military Engineers, Michigan Gerontology Society, and the International Hospital Foundation.

Blackwood to Head New Tile Firm

Fred H. Blackwood, second vice president of the Detroit Chapter of Producers' Council, has announced formation of a new tile distributorship, Beaver Distributors, with showrooms located at 13080 Northend Ave. in Oak Park. The firm will act as exclusive distributor for Monarch Wall Tile throughout Michigan's Lower Peninsula and will also handle tile lines manufactured by Summitville Tiles, Inc. and Continental Ceramic Corp.



According to Blackwood, Beaver Distributors will warehouse a complete inventory of ceramic and quarry tile. The line will include conventional wall tile in sizes from 4¼ inches by 4¼ inches up to 6 inches by 9 inches, as well as scored tile simulating smaller patterns and block random designs. All sizes will be stocked in a complete range of glazes and colors.

In addition to warehousing and shipping facilities, the distributorship will offer design consultation services to architects and interior decorators.

Blackwood, president of the new tile firm, served nine years as district sales representative for a major tile producer before founding Beaver Distributors. He will maintain his current position in Producers' Council through his new affiliation with Monarch Tile Mfg.

Named vice president and treasurer of Beaver Distributors is James Crusoe, who is currently president of Inland Marine, Inc. in Cheboygan and a director of the Wolverine Flexigraph Mfg. Co. in Detroit.



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Ceramic Tile Celebrates 25,000th Birthday

"Happy Birthday, Ceramic Tile" was the theme of a 25,000th birthday party, Saturday August 22nd at the Michigan Tile and Marble showroom. The party was held to focus attention on interesting new developments in an ancient trade. Guests were leading architects and designers in the area.

Party hosts were six Detroit ceramic tile contractors: Anthony W. Dragan (American Tile Co.), John J. Bruny (Bruny Brothers), Roy Bianchini (Empire Tile Co.), Robert J. Michielutti (Michielutti Brothers), John W. Lanzette (Michigan Tile & Marble Co.), Herb Bultz (Woods Mantle & Tile Co.) and five representatives of suppliers to the ceramic tile trade: Richard Barrett (American Olean Tile Co.), Phillip L. Shriner (Cambridge Tile Mfg. Co.), George Hamilton (Mosaic Tile Co.), Fred Blackwood (Beaver Distributors, Inc.) and Donald Blake (Stylon Corp.).

Desco International Awards First Annual Scholarships

Through the cooperation of the American Institute of Architects, the A.I.A. Foundation, Inc. and Desco International Association, four architectural students are continuing their studies with the assistance of the first

annual Desco International Scholarships.

The awards, in the amount of \$400 each, were presented for academic excellence by Desco International Association, an organization of wall and floor coating dealers.

The winners this year were: A. Charles Hill, second-year student at U. of Pennsylvania's Graduate School of Architecture, Philadelphia; Thomas B. Daly, U. of Texas School of Architecture; Anthony D. Mielke, student at U. of Detroit's School of Architecture and Richard L. Wilson who is starting his final year at U. of Washington's College of Architecture in Seattle.

In announcing the winners, Carl B. Mankin, Jr., president of Desco International, explained that the purpose of the annual award is to help young architects financially, and at the same time help the architectural profession grow in stature.

A scholarship is awarded to one student in each of four Desco regions—Northwest, South, Midwest and West. The students must be in their fourth or fifth year of architectural study. The basis for selection is the student's record of scholarship and his need for financial assistance. Applications are made to the American Institute of Architects, Washington, D. C.; winners are chosen by an A.I.A. committee.

Etkin Company Featured On TV Film Series

The A. J. Etkin Construction Co. was the subject of the documentary presentation in the television film series "Operation Success" on Sunday, September 13th.

Narrated by Quentin Reynolds, noted editor, author, telecaster, lecturer and foreign correspondent, the series presents outstanding examples of business success achieved in the world of free enterprise, on television stations from coast to coast.

Seen on the program were shots of such Etkin-built projects as the expansion at Metropolitan airport, the Ponchartrain Hotel, Lafayette Towers.

Pierce Named to Trade Mission to Yugoslavia

Ralph Pierce, P.E., senior partner of Pierce & Wolf, Consulting Engineers, has been selected by the Department of Commerce, United States government to represent this country on a Trade Mission to Yugoslavia. The purpose of the mission is to provide foreign countries with information on U. S. facilities and services.

Pierce, with three other representatives from this country who are experts in their fields, left for Yugoslavia the end of September, will return November 1st.

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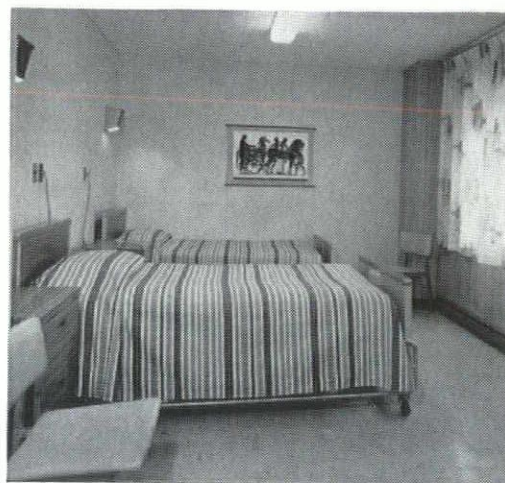
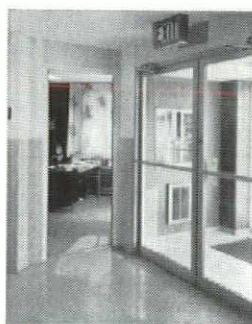
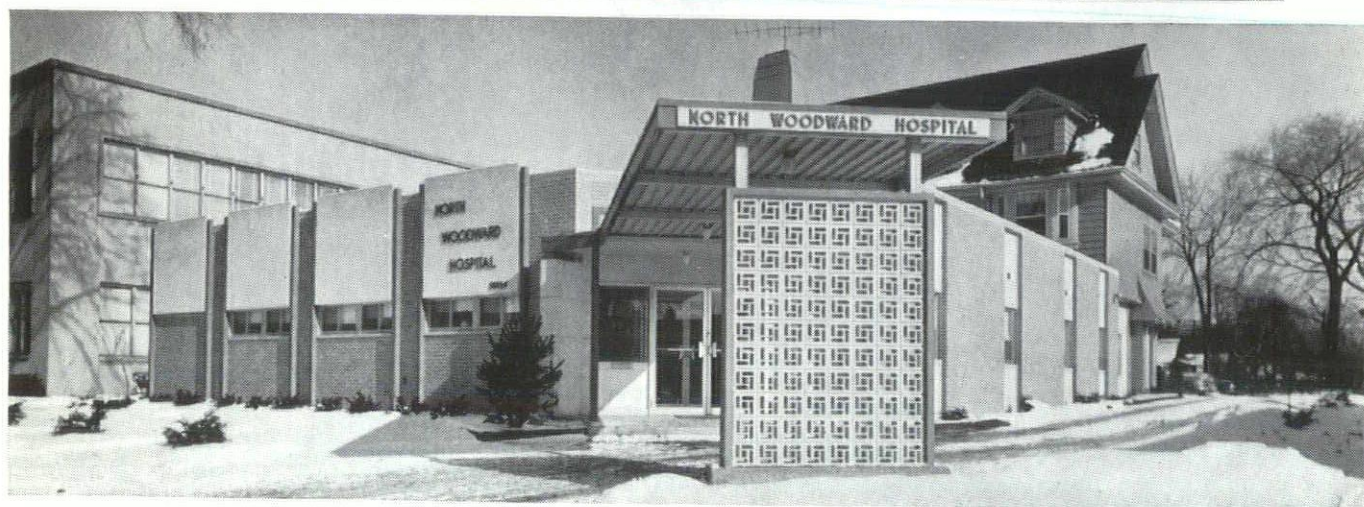
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Before you select a heating system for your new building or addition or existing building, consult an Edison Electric Heating Specialist. He'll be happy to discuss with you, your architect, engineer or electrical contractor how *you* can save on construction and maintenance costs. In Detroit, just call WO 2-2100, ext. 2223. Elsewhere call your Edison office. **EDISON**



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AIA Journal Article on Plans for Stock Schools

Construction of stock schools can result in "freezing" the curriculum to conform to outmoded facilities, declares an article in the September AIA JOURNAL.

Data assembled by the AIA Committee on School and College Architecture indicates conclusively that stock schools are a false economy, the article states. To effect any savings, "stock" or standard plans must be reused repeatedly, and the local district is therefore unable to incorporate into its buildings any advances in building technology, or to accommodate new teaching techniques and equipment.

Other disadvantages, in addition to the sacrifice of flexibility, may include difficulty in adapting the school to a site for which it was not designed; the problem of fixing responsibility for any errors or omissions, and the possibility that standard plans may provide space which cannot be used effectively in one community's educational program while robbing another of facilities it needs.

Tearsheets or complete copies of this issue may be obtained by writing the Editor, AIA JOURNAL, 1735 New York Ave., N.W., Washington, D. C.

Architectural Symposium By INCO in Chicago

The International Nickel Co., Inc. has announced that the third in a series of nationwide architectural symposiums on designing with stainless steel will be held in Chicago, Illinois, October 19.

The symposium, which will consist of discussions and slide presentations on the present uses and future potentials of stainless steel in architectural design, will take place at the Conrad Hilton Hotel. In addition, there will be an exhibit of more than 40 different architectural applications incorporating stainless steel designs.

In similar symposiums held in Pittsburgh, Pennsylvania and Washington, D. C., a total of 850 architects and manufacturers were in attendance.

In announcing this symposium Lars L. Larson, Vice-President and Manager, General Sales and Marketing Services Department of International Nickel said, "We believe that the information on the costs and economies of proper architectural design in stainless steel will be of great interest to practicing architects as well as others responsible for design, specification, construction and maintenance of buildings. Since Chicago is a leading archi-

tectural center, it is particularly appropriate to hold this symposium for the benefit of these groups in this area."

Professor George E. Danforth, Director of the Department of Architecture, Illinois Institute of Technology, will be the moderator for the symposium. One of the featured speakers will be Robert F. King, Vice-President and Director of N. W. Harris Corporation, Harris Trust & Savings Bank who will relate his firm's experience in commissioning, building and maintaining one of Chicago's largest stainless steel-clad buildings.

Other speakers will be Ernest S. Kopecki of the American Iron and Steel Institute, who will discuss stainless steels with comments on their properties and advantages for architectural applications; William A. Firstbrook, of International Nickel's Architectural Group, will show how architects have successfully designed with stainless steel to achieve economical manufacturing costs; and Robert F. Seery, president of Seery & Company, architectural marketing consultants, who will speak on product design considerations.

Attendance at the symposium will be by invitation only.

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ANNOUNCEMENTS

George Baumgarten, AIA and Marvin DeWinter, AIA have announced that they have combined their individual practices to form the new architectural firm of Baumgarten and DeWinter, Architects, with offices at 758 Cherry, S.E., Grand Rapids, Michigan 49503. Telephone: 451-0637.

Dissolution of Magnuson & Sumner, Architects, has been announced by E. Harry Magnuson, AIA. Mr. Magnuson will continue the firm's practice as an individual at 354 W. Clay, Muskegon. Mr. Sumner has joined Enco Engineering in Detroit.

Burton Kampner, AIA, has announced the opening of an office for the practice of architecture at 2930 W. Grand Boulevard, Detroit, Michigan 48202. Telephone: 873-1388.

Kampner had previously been associated with Eberle M. Smith Associates, Incorporated and had been a principal in Kissinger, Kampner, Holzhauer, Inc.

In 1963, under a Fulbright Research Fellowship, he was affiliated with the Institute of Technology in Helsinki,

Finland and traveled extensively in northern European countries.

The firm of Harmsen & Reid, Architects, has been dissolved. Work of the firm will be continued by Eugene J. Harmsen, AIA, at 1115 Wealthy, S.E. Grand Rapids, Michigan 49506.

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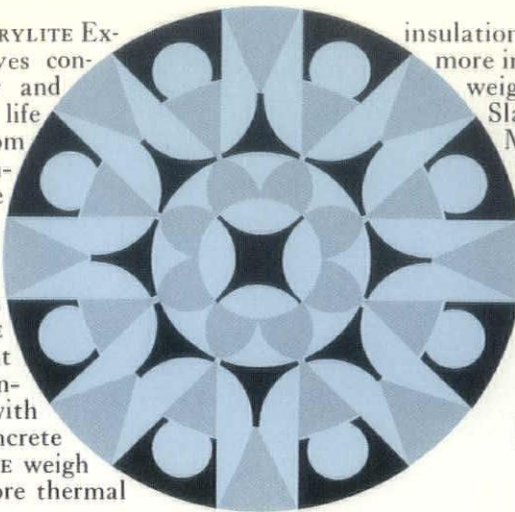
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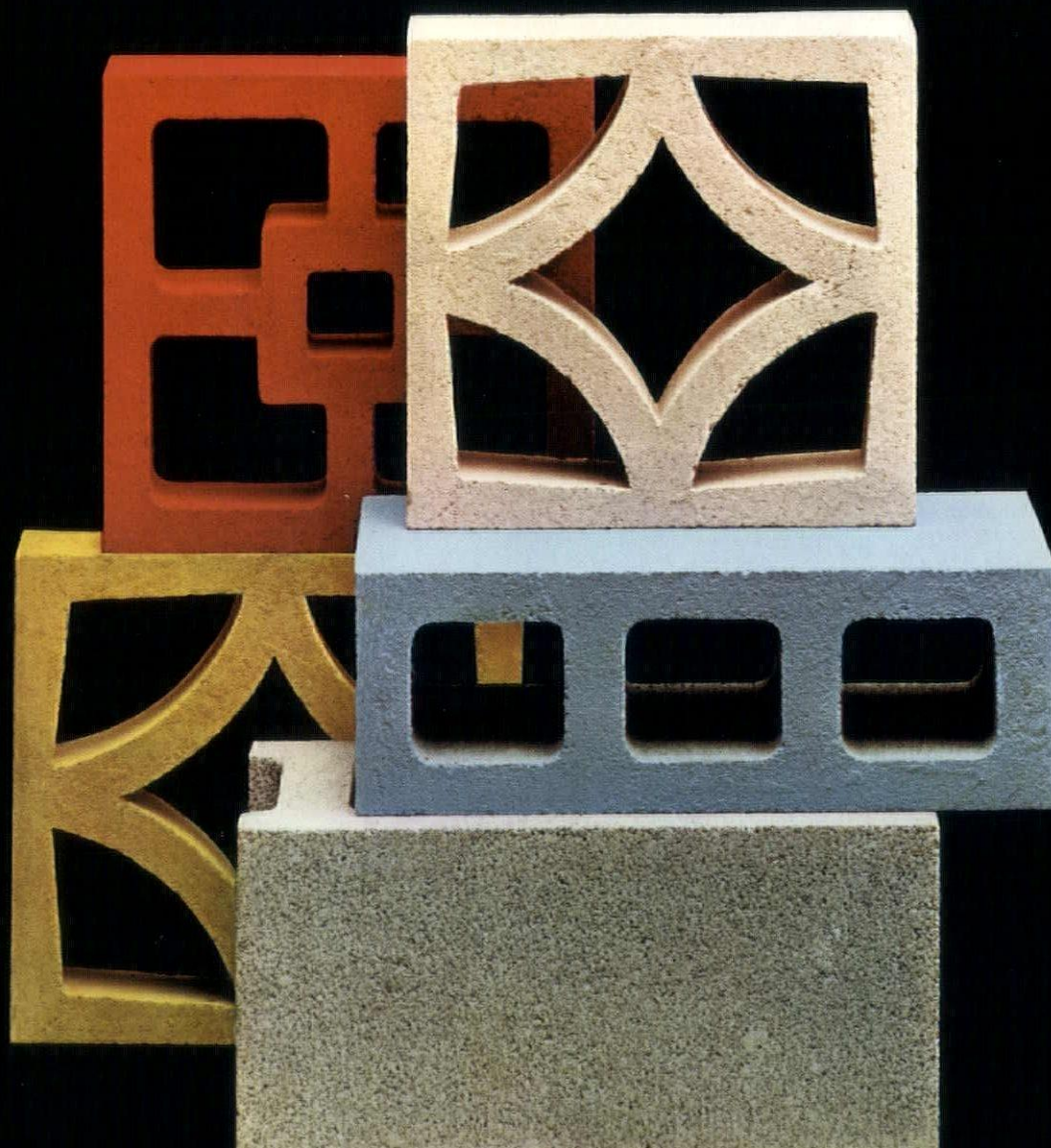
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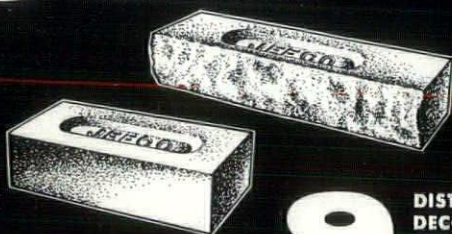
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CALENDAR

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- 7 Mid-Michigan Chapter — Tarpoff's — 12:00 M — "Our State Registration Law"—Edwin H. Young, P.E.
- 7 Detroit Chapter Board Meeting—E.S.D.—1:30 PM.
- 17 MSA Committee Workshop and Board Meetings—Holiday Inn—Lansing; Workshop—9:30 AM, Board Meeting—1:30 PM.
- 19 Grand Valley Chapter—Grand Rapids—Honor Awards Program.
- 20 Western Michigan Chapter—Holiday Inn—Battle Creek—6:00 PM.
- 21 Detroit Chapter—Northwood Inn—Berkley—6:15 PM—Annual Meeting—Election of officers and Honor Awards Program.

November

- 4 Mid-Michigan Chapter—Tarpoff's—12:00 M—Election of officers.
- 11 Detroit Chapter Board Meeting—E.S.D.—1:30 PM.
- 16 MSA Board Meeting and Grand Valley Chapter Meeting—Grand Rapids—Carl Johnson, Speaker.
- 17 Western Michigan Chapter—Bill Cone's Restaurant—Jackson—6:00 PM.
- 21 Detroit Chapter—Allied Arts Festival—J. L. Hudson Co. Galleries—downtown store—starting at 4:00 PM.

December

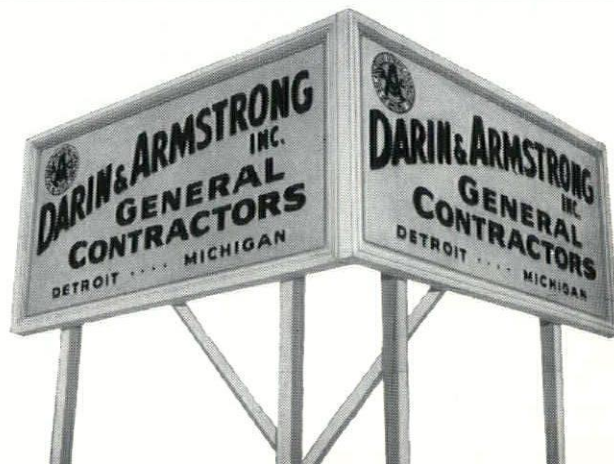
- 9 MSA Board Meeting—Saginaw Valley Chapter area—Organizational meeting.

March, 1965

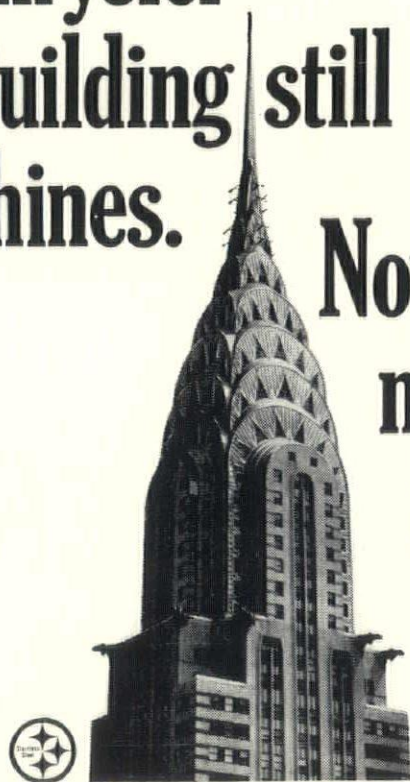
- 17 thru 19—MSA 51st Annual Convention—Statler Hilton Hotel—Detroit.

August 1965

- 5 thru 7—MSA 22nd Annual Mid-Summer Conference—Grand Hotel—Mackinac Island.



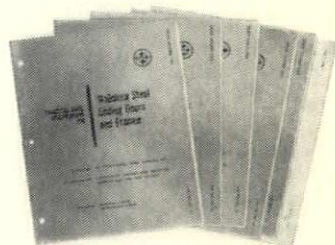
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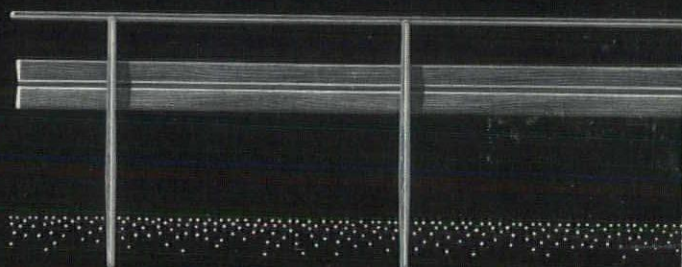
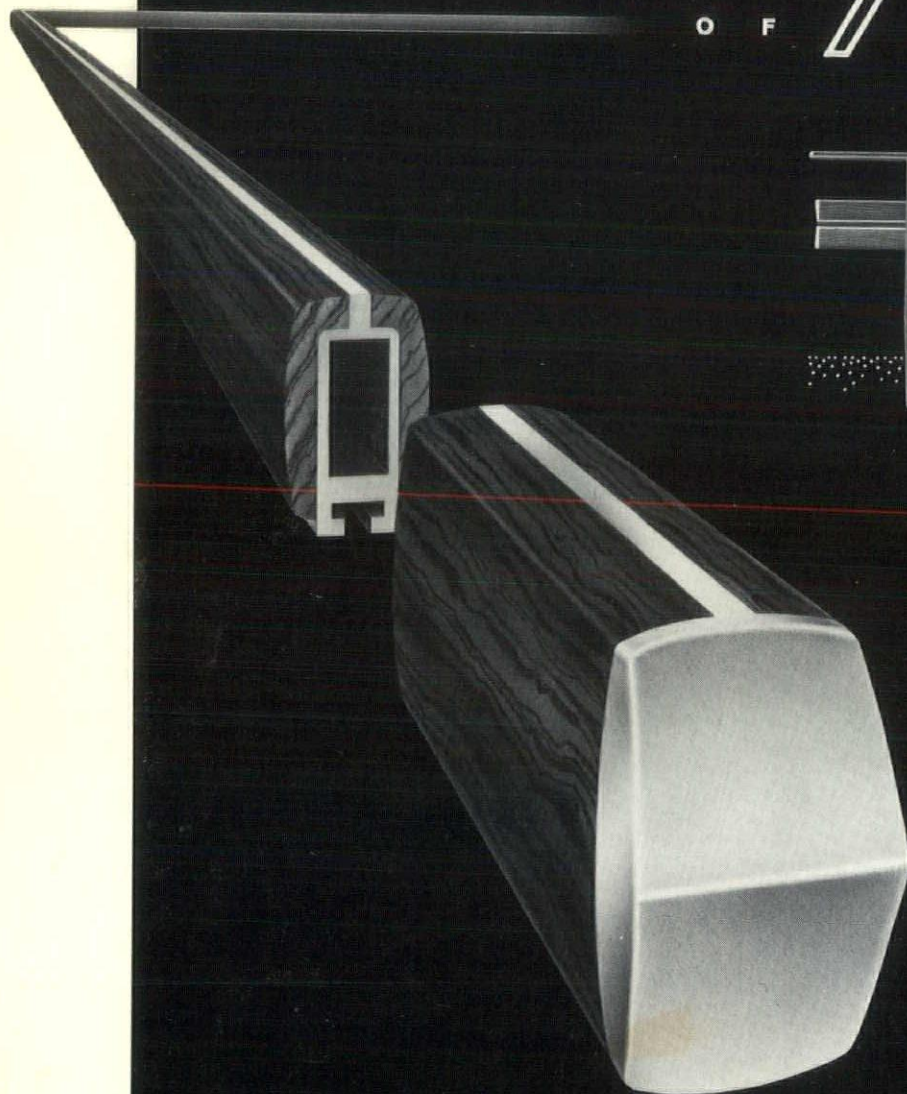
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